

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Rebecca T. Cash

General Information

Name:	Osram Sylvania Products Inc.
Address:	1000 Tyrone Pike, Versailles, KY 40383
Date application received:	October 14, 1997
SIC/Source description:	3229
AFS Plant ID:	21-239-00008
EIS #:	102-4140-0008
Application log number:	F359
Permit number:	V-99-023

Application Type/Permit Activity

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
___Administrative	<input checked="" type="checkbox"/> Title V
___Minor	<input type="checkbox"/> Synthetic minor
___Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

Compliance Summary

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

Applicable Requirements list

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other

Miscellaneous

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

Emissions Summary

Pollutant	Actual (tpy)	Potential (tpy)
PM	82.8622	82.8622
SO ₂	178.2698	178.2698
NOx	944.4005	944.4005
CO	26.4904	26.4904
VOC	49.9313	49.9313
HYDROGEN FLUORIDE	5.4517	5.4517
LEAD	6.1191	6.1191

Source Process Description:

A Title V permit application for Osram Sylvania Products Incorporated, the glass plant, was deemed complete on December 11, 1997. The source manufactures glass casings for phosphor bulbs. The bulbs are sent to an adjacent lamp plant for finishing. The glass plant was issued a synthetic minor operating permit (F-98-010), with limits on most of the lime glass manufacturing units to preclude PSD applicability.

The glass plant manufactures lime glass and lead glass. The major hazardous pollutants emitted from the source are hydrogen fluoride, lead, and antimony. A stack test was performed in 1987, but much of the process and constituents in the glass has changed since then. A performance test will be required by the this Title V permit.

The process is a batch process for both lime and lead glass. The ingredients are loaded and mixed before going to the respective melting furnaces. The storage and conveying of the material produces mostly PM emissions. The glass is coated and etched with fluorides upon exiting the melting furnaces. The fluorides from the plant are mainly emitted from the etching process. The spent glass is crushed and the glass cullet is used as ingredients in subsequent batches.